

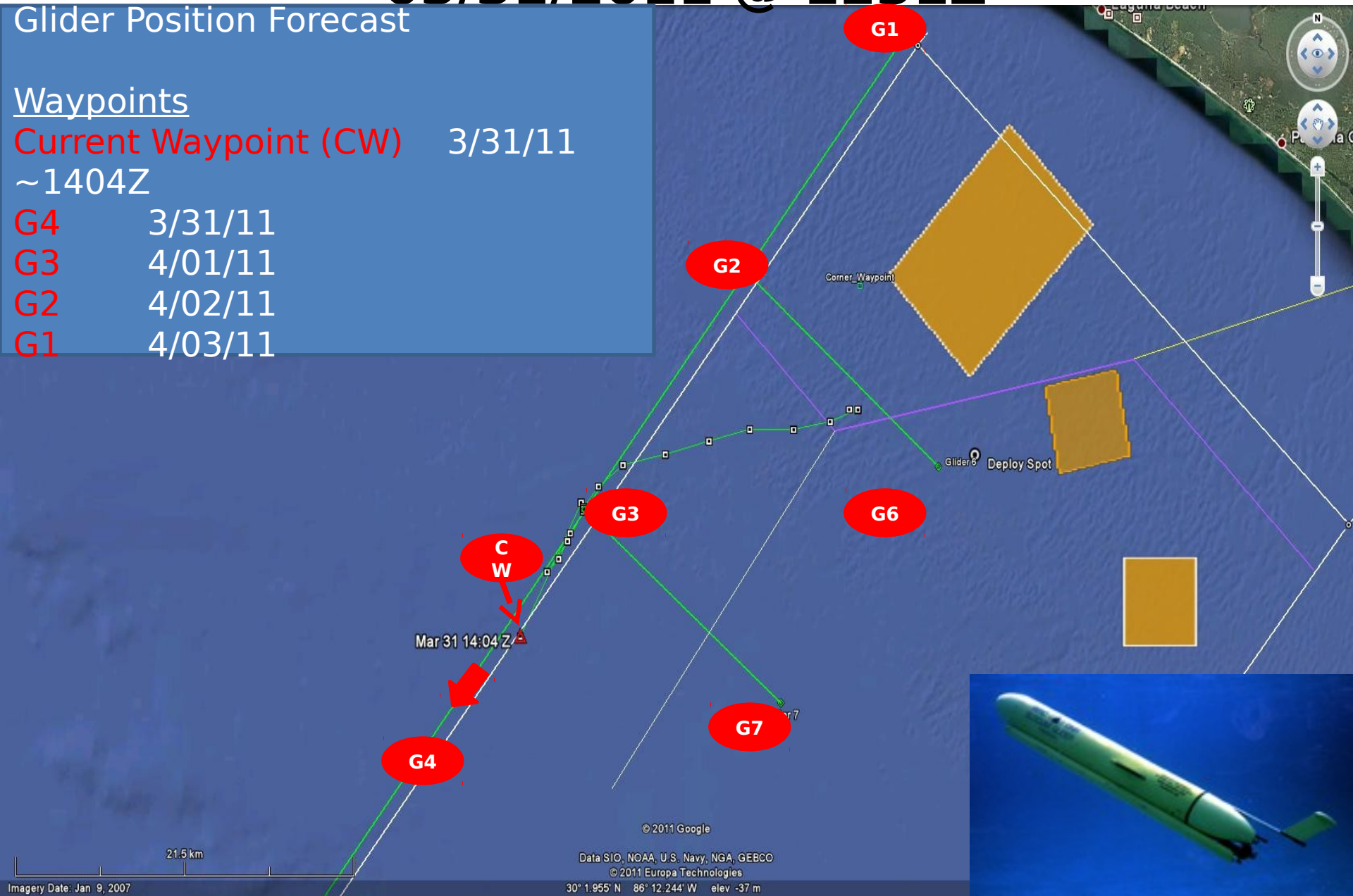
03/31/2011 @ 1231Z

Waypoints

~1404Z

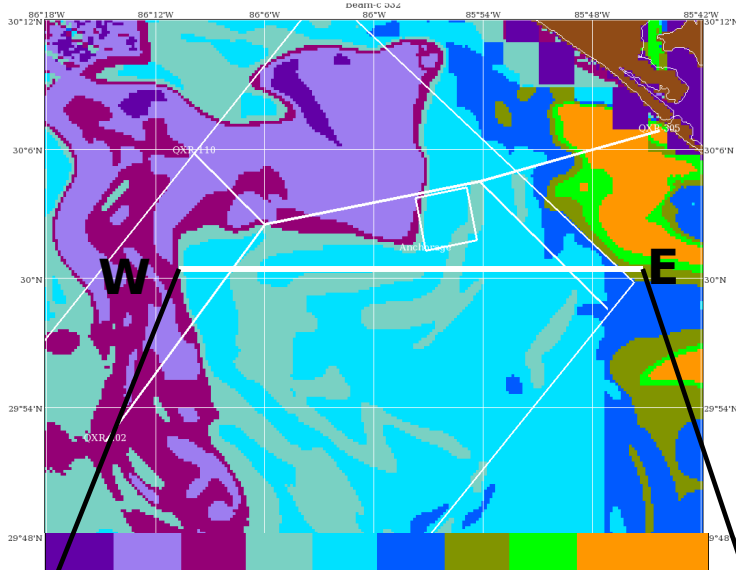
G3 4/01/11

G1 4/03/11

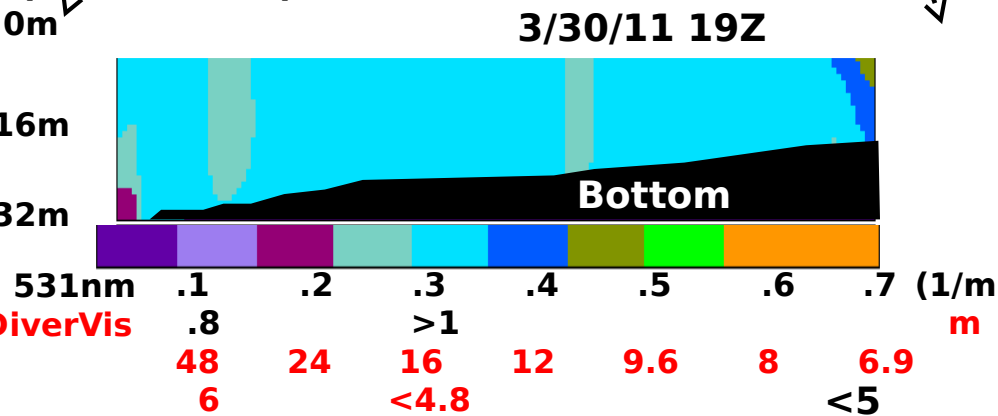


Nowcast AQS-24 Support for March 30, 2011 19Z

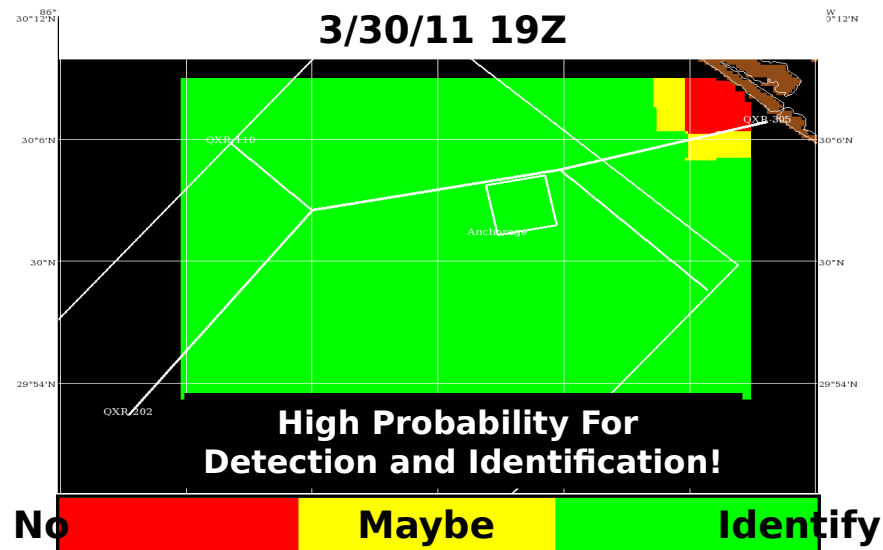
Surface Beam-c/Diver Visibility 3/30/11 19Z



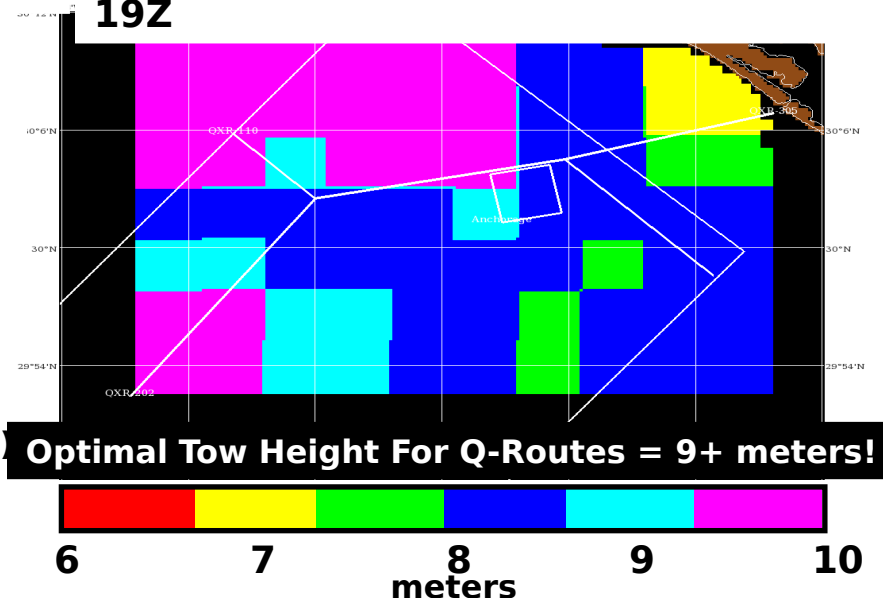
c
531nm
m
Diver
Vis
(West->East)
0m
16m
32m
Bottom
3/30/11 19Z
3D Beam-c/Diver Visibility Slice
West->East)



Target Identification @ 6m Tow Altitude 3/30/11 19Z



Optimal Tow Altitude - 3/30/11 19Z

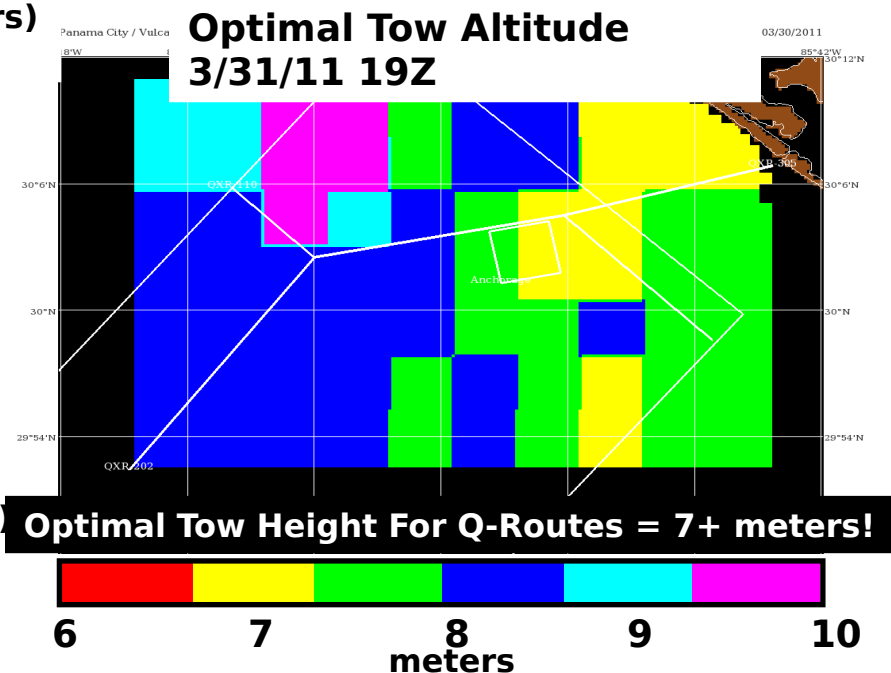
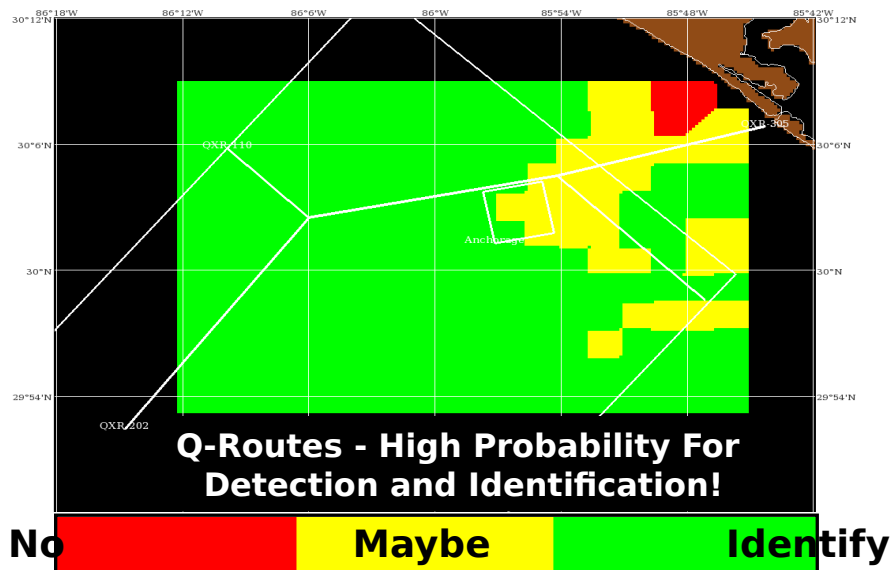
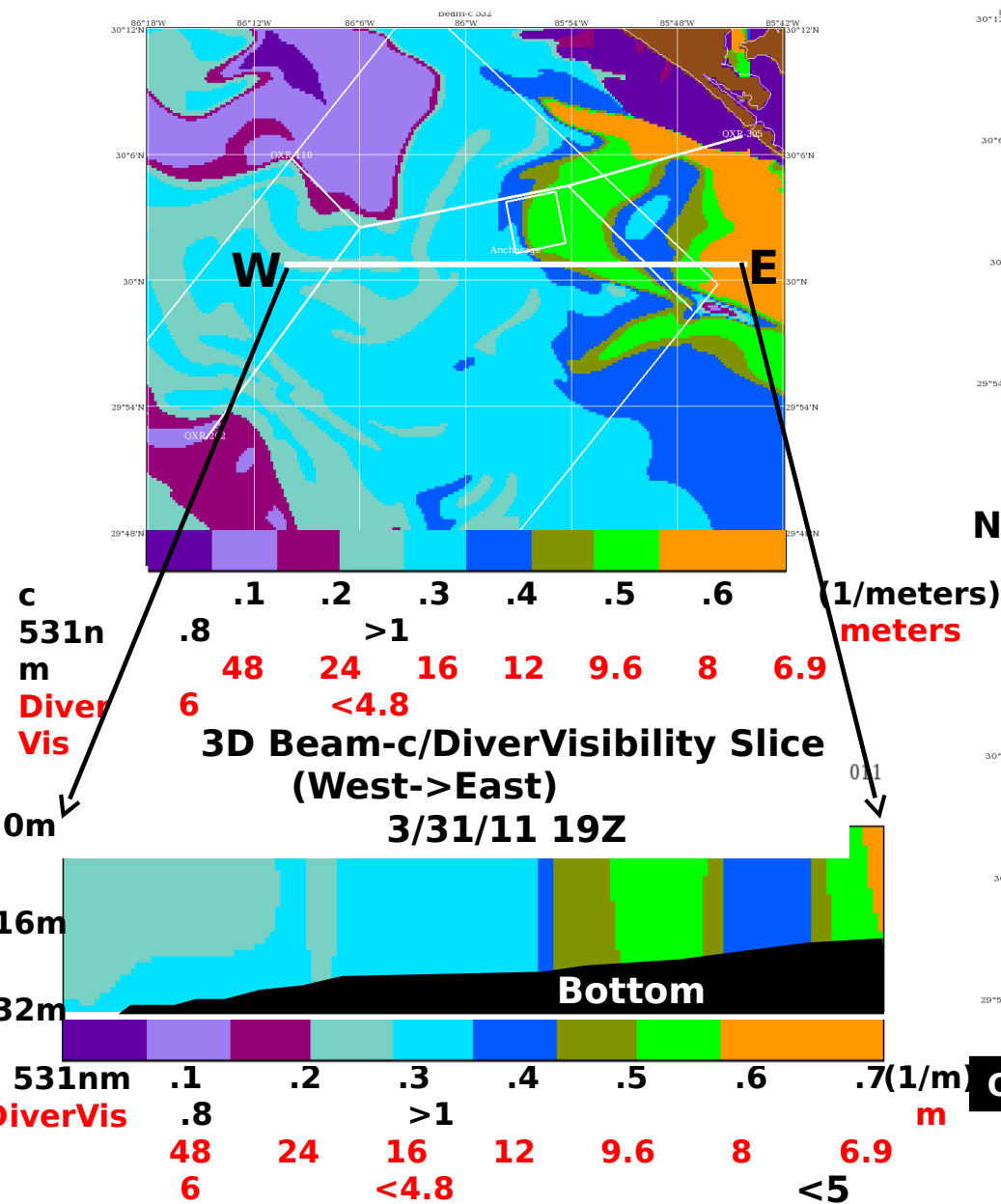


Optimal Tow Height For Q-Routes = 9+ meters!

24 Hour Forecast AOS-24 Support for March 31. 2011 19Z

Surface Beam-c/DiverVis
3/31/11 19Z

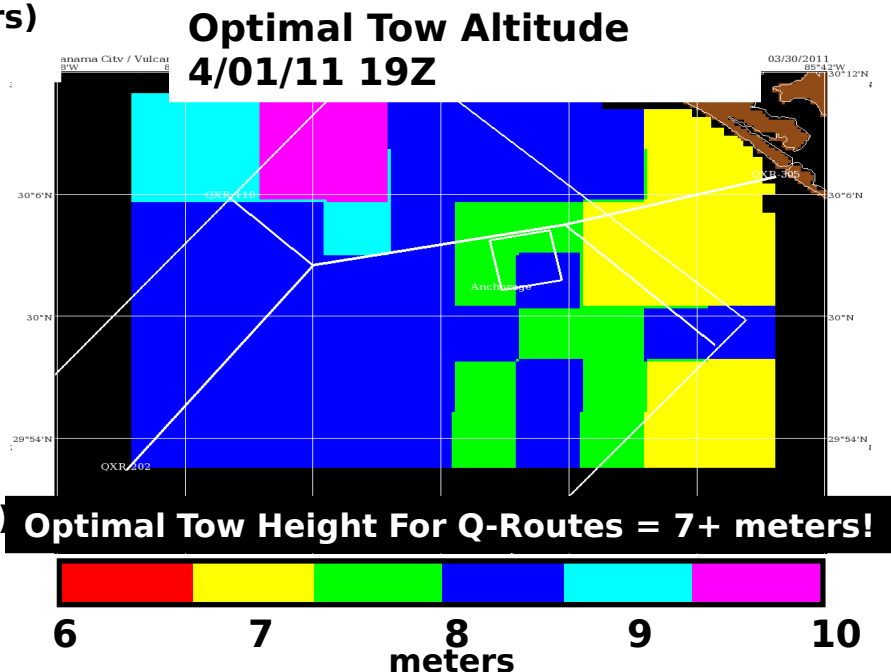
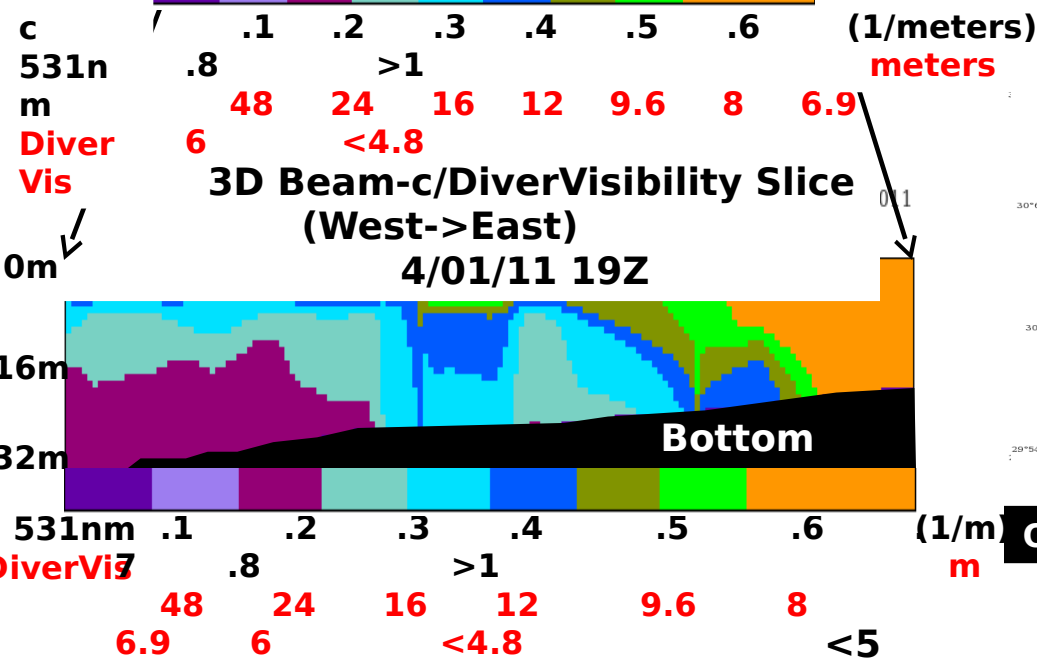
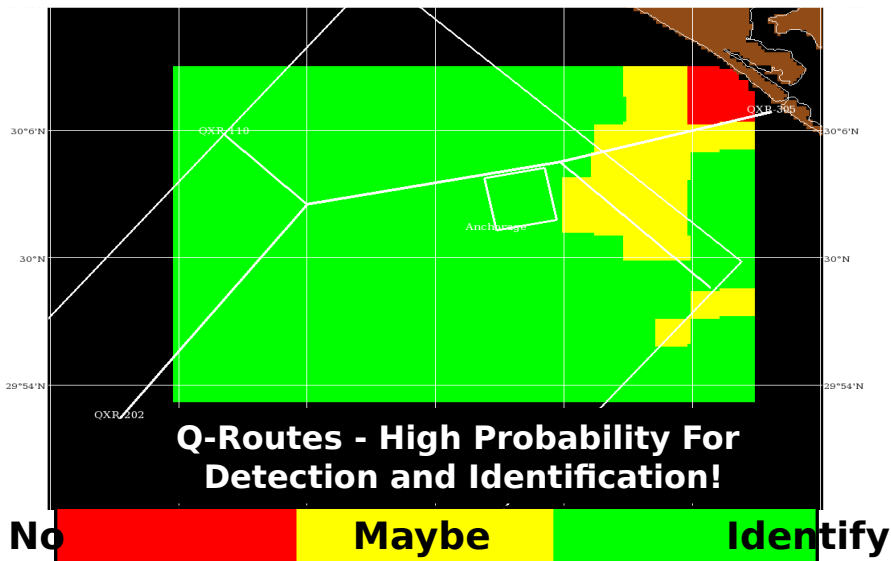
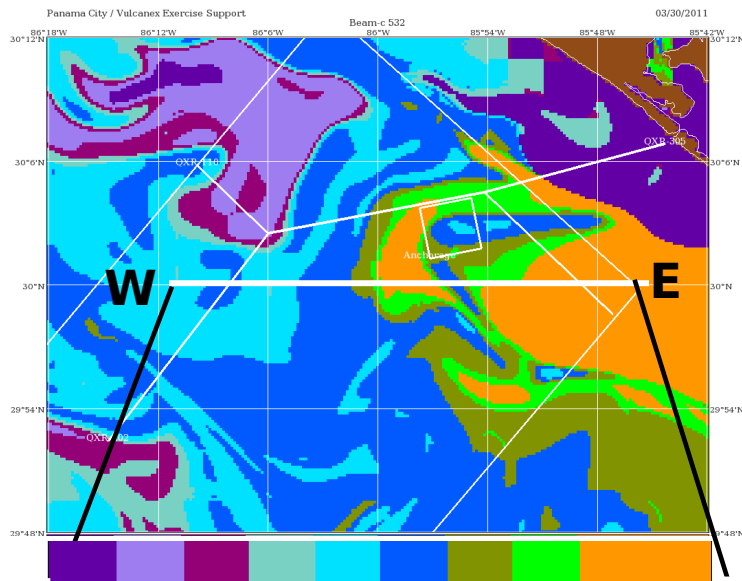
Target Identification @ **6m** Tow Altitude
3/31/11 19Z



48 Hour Forecast AOS-24 Support for April 01, 2011 19Z

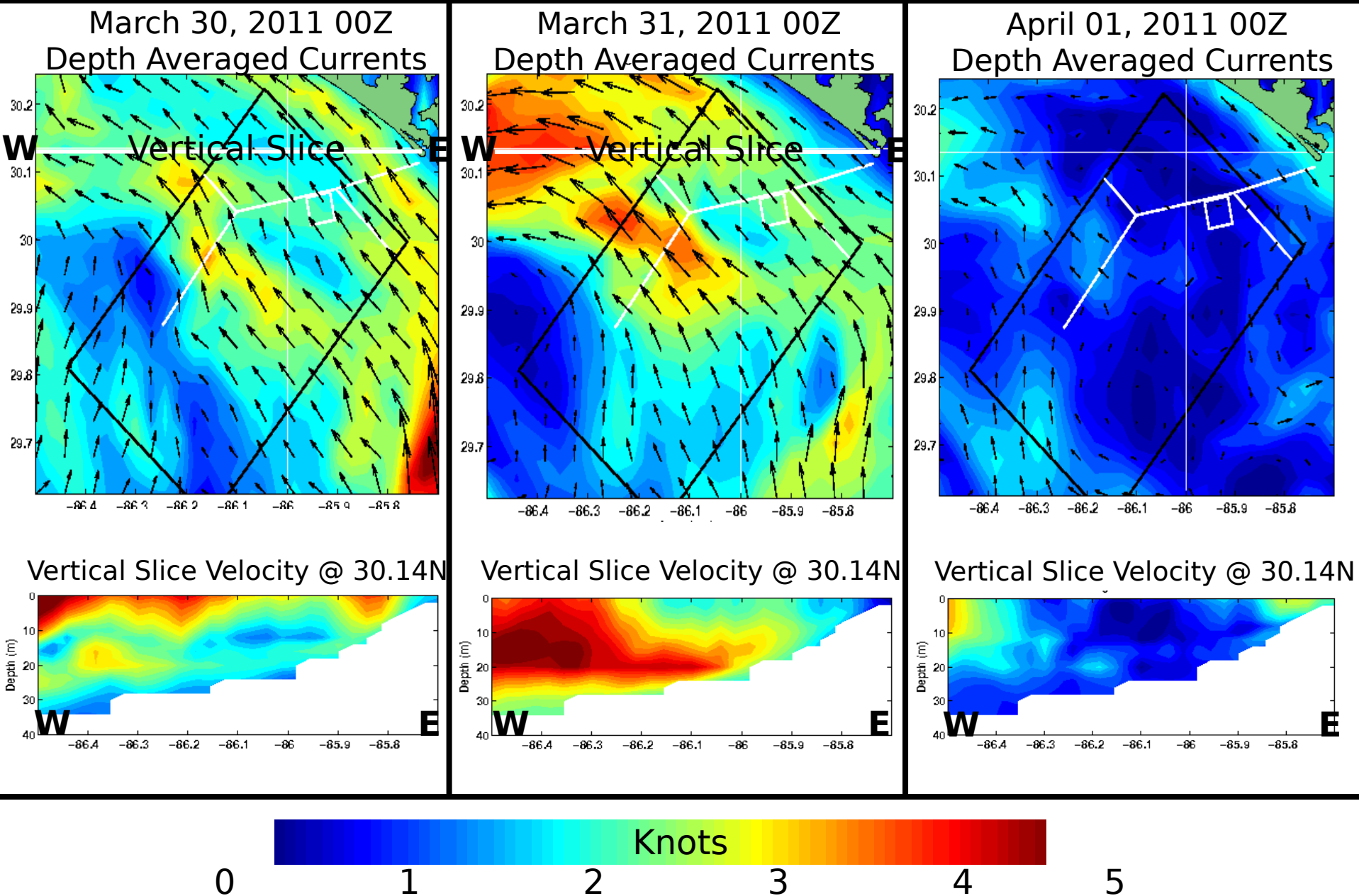
Surface Beam-c/DiverVis
4/01/11 19Z

Target Identification @ **6m** Tow Altitude
4/01/11 19Z



Optimal Tow Height For Q-Routes = 7+ meters!

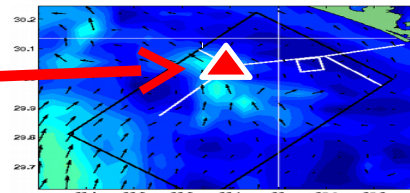
Physical Model Nowcast & Forecast – March 30, 2011



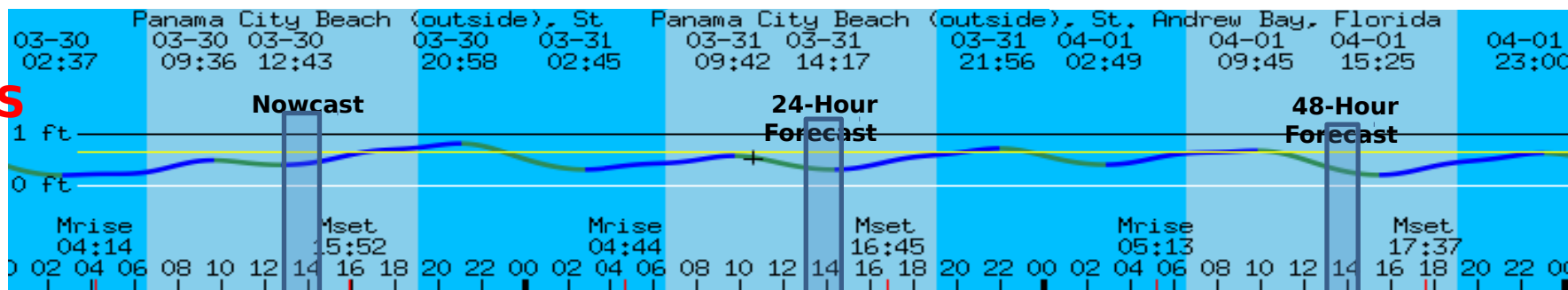
03/30/2011

TIME SERIES @ 30.05N, 86.1W

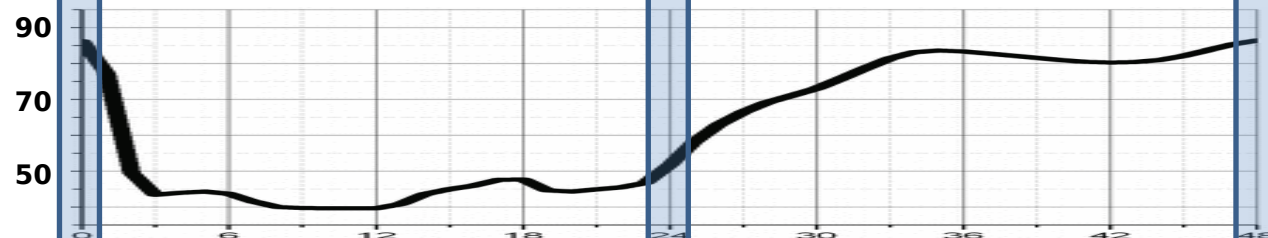
FORECAST OVER NEXT 48 HOURS



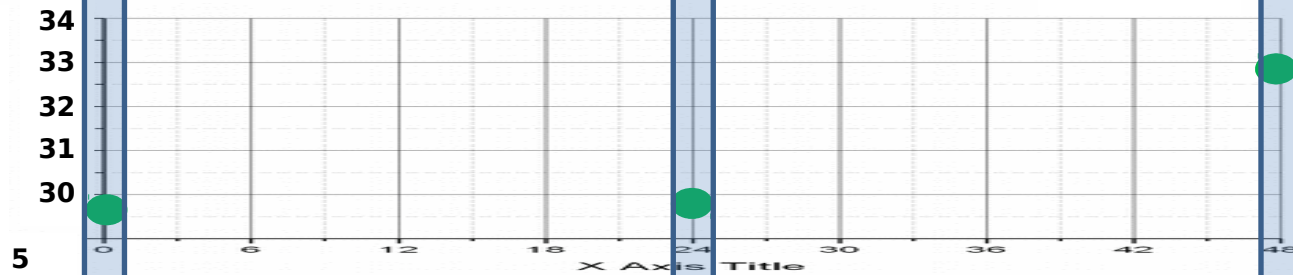
TIDES



Horizontal Diver Visibility Forecast (Feet)

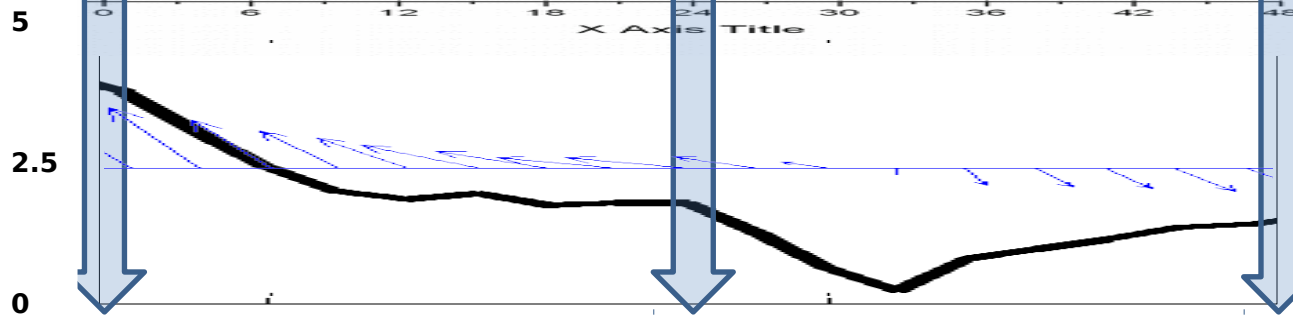


Optimal Tow Altitude (Feet)



No Target ID?
? Color Of
Yes Circle

Modeled Current Magnitude (Knots)



Direction (Arrows)

Forecast Hour From 03/30/11 00Z

Summary

1. Surface and subsurface turbidity (beam-c) range from 0.2 - 0.7 m^{-1} in op-area for today (03/30/11 19Z) and tomorrow (03/31/11 19Z). 0.15 - 0.8 m^{-1} in op-area for 48 hour forecast (04/01/11 19Z). (See Slides 2,3,4)
2. Surface and subsurface diver visibility (horizontal) range from 22 - 78 feet in op-area for today (03/30/11 19Z) and tomorrow (03/31/11 19Z). 20 - 78+ feet in op-area for 48 hour forecast (04/01/11 19Z). (See Slides 2,3,4)
3. Today's (03/30/11 19Z), tomorrow (03/31/11 19Z) and 48 hour forecast (04/01/11 19Z) optical conditions: High probability of Detection and Identification for 90% of op-area. (See Slides 2,3,4)
4. Today's (03/30/11 19Z), tomorrow's (03/31/11 19Z) and 48 hour forecast (04/01/11 19Z) suggested tow heights range from 23 - 36.0 feet in op-area. (See Slides 2,3,4)

5. Time Series at Surface for Location 30.05N and 86.1W:
Horizontal Diver Visibility ranges from 40 to 85 feet during period starting 3/30/11 19Z to 4/1/11 19Z. Optimal Tow Height

Warning: Satellite coverage has been minimal due to clouds! Results derived from numerical forecasts. Last good satellite scene collected on 3/25/11.

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Cell: 228-380-1738

Feedback Very Important!

Positive or Negative
How are products being used?
Changes/Needs/Suggestions